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Title of the Invention

Detachable multi-interface CD/DVD/Computer network unit; which includes a touch screen panel control system with manual activation for multiple connections for other electrical devices.

ABSTRACT

The use of the detachable multi-interface CD/DVD/Computer network unit is to allow a vehicle to control operations of multiple systems and electronic devices at once; while at the same time inputting commands into the multi-graphical interface touch screen control panel will send transmitted codes into the remote multi-interface CD/DVD/Computer network unit; like turning on the radio, DVD/CD changer, phone displays, internet options, palm pilot, MP3, web cam, lap top, DVD, CD, or game player on or off. The remote multi-interface CD/DVD/Computer network unit has the ability to play music, play DVD's, and has connections for a cell phone which will display everything from the cell phone onto the touch screen control panel. The multi-graphical interface touch screen control panel will display options of control demands, viewing of DVDs, and also the ability to display the internet web and a video cam screen.

CROSS REFERENCES

United States Patents

(0001) U.S Pat 6,708,086 on March 16, 2004 Ricard, Sue M., application #885106 class 701/1

(0002) U.S. Pat. No. 6,310,610 on October 30, 2001 Beaton, Brian., application#985264 class 345/173

(0003) U.S. Pat. No. 6,735,435 on May 11, 2004 Newell, Michael, application#821975 class 455/419

(0004) U.S. Pat. No. 6,799,201 on September 28, 2004 Lee, Jeffrey application#664618 class 709/203

(0005) U.S. Pat. No. 6,804,745 on October 12, 2004 Seto, Koshi application#180019 class 711/111

BACKGROUND OF THE INVENTION

Recent advances in electronics have made it possible for more accessory functions available for controllable use in mobile vehicles with more audio entertainment using various types of electronic devices such as CD, DVD, game players, and navigation systems.

To help insure that drivers and passengers take full advantage of the newly developed electronic devices without interfering with other interferences a simple efficient driver friendly touch screen control panel allows the driver to use this system without fondling his small phone looking up for phone numbers, or looking for memos in a palm pilot, or changing CD's when MP3 is in play.

Touch screen control panel system requires a computer network connected to the interface player to allow predetermined signals to transmit back and forth to activate controls and demands.

By having multiple devices using two or more remote controllers for activations it would be more convenient if the user could use one control unit to activate and control all electrical devices inside a vehicle.

Due to increasing focus on compactness of electronic devices cell phones, MP3s, and palm pilots are getting smaller and smaller. When trying to view text messages, e-mail, internet, or any other related applications can be very difficult to see.

By developing navigation tools that allow small size devices to maximize their screen viewing.

SUMMARY OF INVENTION

A detachable multi-interface CD/DVD/Computer network unit and touch screen control panel being able to control electrical accessories in an automotive vehicle with manual control elements and associated displays to provide a simple and more efficient user interface.

Having a method that will allow the electrical devises; MP3, Cell phone, and Palm pilot or even a laptop

In one aspect of the invention, an apparatus is provided in an vehicle wherein the driver and passenger has access to control and view all options from a user friendly touch screen control panel. A central display unit is coupled to the controllable accessories allowing visual display containing current values of the controllable functions. A central network with memory drive allows the unit to download from other electrical devises for easier viewing onto the mounted display unit.

In accordance with one aspect of the invention, the processor includes a table of commands stored in a memory, with each command being associated with a specific operation control. The processor can be programmed to download new information that can be used onto the touch screen control panel.

Another aspect of the present invention, the transmitter can be arranged to control operation of several different devises, including CD, DVD, LCD screens, radio, cell phone, CD/DVD changer, Palm pilot, Navigator, speakers, and MP3.

The detachable multi-interface CD/DVD player allows the connection of a palm pilot, cell phone, laptop or MP3 to download information from these electrical devises and be stored inside the computer network which and then can be controlled by the touch screen control panel.

BRIEF DESCRIPTION OF THE SEVERAL VIEWS OF THE DRAWING

FIG. 1 Shows the multi-interface CD/DVD player system

FIG. 2 is a diagram of the touch screen control panel

FIG. 3-6 Shows options of various menus through the touch screen control panel

DETAILED DESCRIPTION OF THE INVENTION

Referring to FIG. 1, a CD/DVD slot (1) has access to play CD's or DVDs. More specifically, a smaller user graphical interface will display artist, track no., and time/date (2).

Number 3-8 are commands for (3)Play, (4) FF, (5)RW, (6)Pause, (7) Stop, (8) Eject (9) Options.

Buttons 10-15 display commands for (10)CD player, (11)DVD player, (12)Radio, (13)Phone connection, (14)CD changer, or (15)Aux, which will allow commands for MP3 or Palm Pilot.

Button (16) will allow security for the CD/DVD player by rotating the multi-interface player upwards and hiding the cover into the unit. (17) connection for the cell phone to download and display options to Fig 2.

Also (18) allows connections to a palm pilot or MP3 referring to command button (15) Aux.

Overall the function of Fig 1.is to store memory, read and access memory (RAM) of electronic devises that are connected to the multi-interface CD/DVD player.

18A refers to a Palm pilot or MP3 connection where they can be inserted into the multi-interface unit.

18B refers to the Navigator system (GPS) drive is provided.

18C Is where a laptop can be inserted

Referring to FIG 2. The touch screen control panel allows information to be displayed and controlled in the central network program.

By touching the screen it allows commands such as (19)Up, (20) Down, (21) Left, or (22) Right. When a command is given by the CD/DVD player such as 10-15 it will signal the touch screen control panel to display options of that command.

The overall function of FIG. 2 is to display options and commands on to the touch screen control panel and allow viewer access to information.

Referring to FIG 3. each menu has different display options depending on each command. For example command (12) if chosen (Radio) will display options for the radio on the touch screen command.

Here is where options can be chosen like preset options, volume, speakers, bass, tremble, set preset options.

If command is option (9) the touch screen will give options menu. In here clock, date, and alarm clock can be chosen.

Also FIG.3 A-Q shows a brief detailed description of what the touch screen control panel would look like if that option is chosen. View FIG.3 A-Q for more detailed information on what the commands do and what the action of the command would look like.